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1: F07531. HSC29B121 normali...[gi:673196]   PubMed, Taxonomy, LinkOut

IDENTIFIERS

dbEST Id: 123317
EST name: HSC29B121
GenBank Acc: F07531
GenBank gi: 673196

CLONE INFO
Clone Id: c-29b12
DNA type: cDNA

PRIMERS
Sequencing: (-21)M13_universal
PolyA Tail: Unknown

SEQUENCE

```
CATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGG
TTGTACCACATTTNGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTT
TGAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCT
TATTTCTCTTGGGAGCAGAAAGGGACCTTAAAGNTGACAGACCAAACATCAGCTTCACAGA
TGATGACACAGAAGGTGAATC
```

Entry Created: Feb 20 1995
Last Updated: Feb 20 1995

COMMENTS

Single read.
Genexpress_library_idt: C; Genexpress_sequence_idt:
y1c-29b12

LIBRARY
Lib Name: normalized infant brain cDNA
Organism: Homo sapiens
Sex: Female
Organ: brain
Tissue type: total brain
Develop. stage: 3 months old
Vector: lafmid BA
R. Site 1:   HindIII
R. Site 2:   NotI
Description: sex=Female; dev_stage=3 months old; isolate=muscular atrophy
                 patient; tissue_type=total brain; total mRNA was oligo-(dT)
                 primed and directionally cloned 5' -> 3' into the HindIII ->
                 NotI sites of the lafmid BA vector. Clone library from
                 B.Soares, Psychiatry Dept. Columbia University, USA.
                 Normalization_method: Bento Soares, P.N.A.S in press

SUBMITTER
Name: Genethon
Lab: Genexpress-Genethon
Institution: Genethon Centre de recherche sur le Genome Humain
Address: 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel: 33169472800
Fax: 33160778698
E-mail: genexpress@genethon.fr

CITATIONS
Medline UID:　　95277534
Title:　　　　　IMAGE: molecular integration of the analysis of the human
　　　　　　　　 genome and its expression
Authors:　　　 Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C.,
　　　　　　　　 Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B.
　　　　　　　　 , Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G.,
　　　　　　　　 Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation:　　　 C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

MAP DATA

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1: R13353. yf76c04.r1 Soares...[gi:766429]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	183932
EST name:	yf76c04.r1
GenBank Acc:	R13353
GenBank gi:	766429
GDB Id:	400802

CLONE INFO

Clone Id:	IMAGE:28455 (5')
Insert length:	1581
DNA type:	cDNA

PRIMERS

Sequencing:	M13RP1
PolyA Tail:	Unknown

SEQUENCE

```
ATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGGA
TGTACCACATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTTT
GAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCTT
ATTTCTCTTGGACAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGAT
GATGACACAGAAGGTGAATCTACTGAAAAGAGCTAAAGGAAAGGACAAATCTCTTGAGGG
CAGGATGAAGGGGAATGCAAATATTTCAAAGGACCCTGGCAGGAAANTCAGTTCAACAAG
GNTGCTGTTTGTCTTGGGGTCTTAGTGTTTTGCTNTCTGTTGGGGCCCCGTTTCCACNTT
GACCCGANT
```

Quality:	High quality sequence stops at base: 302

Entry Created:	Apr 12 1995
Last Updated:	Apr 12 1995

COMMENTS

Insert Size: 1581
High quality sequence stops: 302 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

PUTATIVE ID

Assigned by submitter
contains L1 repetitive element ;

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                 Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                 , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                 Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                 Wilson,R.
Year: 1995
Status: Unpublished

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_____

Revised: October 24, 2001.

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1: R13890. yf62a02.r1 Soares...[gi:766966]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	184469
EST name:	yf62a02.r1
GenBank Acc:	R13890
GenBank gi:	766966
GDB Id:	398934

CLONE INFO

Clone Id:	IMAGE:26587 (5')
Insert length:	1558
DNA type:	cDNA

PRIMERS

Sequencing:	M13RP1
PolyA Tail:	Unknown

SEQUENCE

```
ATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGGA
TGTACCACATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTTT
GAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCTT
ATTTCTCTTGGAGCAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGAT
GATGACACAGAAGGTGAATCTACTGAAAAGAGCTAAAGAAAGACAAATCTCTTGAGGCAG
ATGAAGGGAATGCAAATATTCAAAGACCCTGCAGAAAATCAGTCAACAAGATGCTGTTTG
TCTTGGTCTTAGTGTTTGCTATCTGTTGGGGCCCCGTTCCACATTGGACCGACTTTTCTT
TCAGCTTTGTGGGAGGGAGTNGGAGTTGAT
```

Quality:	High quality sequence stops at base: 342
Entry Created:	Apr 12 1995
Last Updated:	Apr 12 1995

COMMENTS

Insert Size: 1558
High quality sequence stops: 342 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

PUTATIVE ID

Assigned by submitter
contains L1 repetitive element ;

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer
	[5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTT 3'];
	double-stranded cDNA was ligated to Hind III adaptors
	(Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                 Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                 , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                 Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                 Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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1: H11359. ym13d04.r1 Soares...[gi:876179]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	271273
EST name:	ym13d04.r1
GenBank Acc:	H11359
GenBank gi:	876179
GDB Id:	420383

CLONE INFO

Clone Id:	IMAGE:47842 (5')
Insert length:	3363
DNA type:	cDNA

PRIMERS

Sequencing:	M13Rev
PolyA Tail:	Unknown

SEQUENCE

```
ATATTCAATAATTAATTTCCTTTTATTGGCTGAGTAGTATTTACTATATGGATGTACCAC
ATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTNGGTTGTTTCCAGTTTTGAGGCTAT
ATAAACAAAGACACAAAGATTTGTATGTAAAGNCATCGTATGGACAGCCACCTTATTTCT
CTTGGAGGCAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGATGATGA
CACAGAAGGTGAATCTACTGAAAAGAGNCTAAAGAAAGACAAATCTCTTGAGGCAGATGA
AGGGAATGCAAATATTCAAAGACCCTGCAGAAAATCAGTCAACAAGATGCTGTTTGTCTT
GGTCTTAGTGTTTGCTATC
```

Quality:	High quality sequence stops at base: 321
Entry Created:	Jun 26 1995
Last Updated:	Jun 26 1995

COMMENTS

Insert Size: 3363
High quality sequence stops: 321
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

PUTATIVE ID

Assigned by submitter
contains L1 repetitive element ;

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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1: AQ019411. CIT-HSP-2306L8.TF...[gi:3198147]   Taxonomy, LinkOut

IDENTIFIERS

dbGSS Id: 119562
GSS name: CIT-HSP-2306L8.TF
GenBank Acc: AQ019411
GenBank gi: 3198147

CLONE INFO
Clone Id: 2306L8
Other GSSs on clone:CIT-HSP-2306L8.TR
DNA type: Genomic

PRIMERS
Sequencing: M13-21

SEQUENCE

```
AGAATCAAAGGAAGACAGGTCACCTAGCGTTGACATAGACCATTAAGGAGGTGTCTTCAT
TATATATCTCTCCCCTTTGCTCCTTGATCTTAATCTACTCTCATAAATACTCTGTTTCAG
GATAAATTGGAACCTACCCCAGCAGCATTTAGTTGGTACCAAATGTACCTCCTTTGCTCT
TATGAACAAAACAAAACAAAAAACAAAATGGGGCACTTACACAGCATCTTGTTGACTGAT
TTTCTGCAGGGTCTTTGAATATTTGCATTCCCTTCATCTGCCTCAAGAGATTTGTCTTTC
TTTAGCTGAAAGGGAAGTAAGTTGGGAGAGATAGTAAGAAAGAGAAACATTTTTCCTCCT
GTTAAAATCTGAGAAACATAACTCAAACGCTCATTTTGAAGACAGAAGAACTGAGACCTA
GAGAAATGTAAGACTACGTCAAATGTTTAACAGTATGTTGAAGGTGGAATTGGATTCAGG
TCATCTACTCAACTGGATAAGTGATTGTGGCCAAGTAAT
```

Entry Created: Jun 8 1998
Last Updated: Jun 9 1998

COMMENTS

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

LIBRARY
CLASS: BAC ends
Lib Name: CIT-HSP
Organism: Homo sapiens
Sex: Male
Cell type: Sperm
Vector: pBeloBAC11
R. Site 1:   HindIII
R. Site 2:   HindIII

SUBMITTER
Name: Mark Adams
Lab: Department of Eukaryotic Genomics
Institution: The Institute for Genomic Research
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Tel: 301 838 0200
Fax: 301 838 0208
E-mail: mdadams@tigr.org

CITATIONS

Title: Use of a random BAC End Sequence Database for Sequence-Ready
              Map Building (1998)
Authors: Adams,M.D., Rounsley,S.D., Zhao,S., Field,C.E., Bass,S.,
              Linher,K., Golden,K., Berry,K., Granger,D., Suh,E., Wible,C.
              , Shizuya,H., Simon,M., Venter,J.C.
Year: 1998
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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PubMed   Nucleotide   Protein   Genome   Structure   PopSet   Taxonomy   OMIM   Bo

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1: AQ015065. CIT-HSP-2306M7.TF...[gi:3193801]   Taxonomy, LinkOut

IDENTIFIERS

dbGSS Id:	115216
GSS name:	CIT-HSP-2306M7.TF
GenBank Acc:	AQ015065
GenBank gi:	3193801

CLONE INFO

Clone Id:	2306M7
Other GSSs on clone:	CIT-HSP-2306M7.TR
DNA type:	Genomic

PRIMERS

Sequencing:	M13-21

SEQUENCE

```
AGAAGCAAAGGAAGACAGGTCACCTAGCGTTGACATAGACCATTAAGGAGGTGTCTTCAT
TATATATCTCTCCCCTTTGCTCCTTGATCTTAATCTACTCTCATAAATACTCTGTTTCAG
GATAAATTGGAACCTACCCCAGCAGCATTTAGTTGGTACCAAATGTACCTCCTTTGCTCT
TATGAACAAAACAAAACAAAAAACAAAATGGGGCACTTACACAGCATCTTGTTGACTGAT
TTTCTGCAGGGTCTTTGAATATTTGCATTCCCTTCATCTGCCTCAAGAGATTTGTCTTTC
TTTAGCTGAAAGGGAAGTAAGTTGGGAGAGATAGTAAGA
```

Entry Created:	Jun 8 1998
Last Updated:	Jun 9 1998

COMMENTS

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

LIBRARY

CLASS:	BAC ends
Lib Name:	CIT-HSP
Organism:	Homo sapiens
Sex:	Male
Cell type:	Sperm
Vector:	pBeloBAC11
R. Site 1:	HindIII
R. Site 2:	HindIII

SUBMITTER

Name:	Mark Adams
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Address:	9712 Medical Center Dr., Rockville, MD 20850, USA
Tel:	301 838 0200
Fax:	301 838 0208
E-mail:	mdadams@tigr.org

CITATIONS

Title:	Use of a random BAC End Sequence Database for Sequence-Ready Map Building (1998)
Authors:	Adams,M.D., Rounsley,S.D., Zhao,S., Field,C.E., Bass,S.,

Linher,K., Golden,K., Berry,K., Granger,D., Suh,E., Wible,C.
, Shizuya,H., Simon,M., Venter,J.C.

Year: 1998
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

⌐1: N45474. yy59b04.r1 Soares...[gi:1186640]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	451003
EST name:	yy59b04.r1
GenBank Acc:	N45474
GenBank gi:	1186640
GDB Id:	3896183

CLONE INFO

Clone Id:	IMAGE:277807 (5')
Source:	IMAGE Consortium, LLNL
DNA type:	cDNA

PRIMERS

Sequencing:	T7
PolyA Tail:	Unknown

SEQUENCE

```
CCATTATCTATAACCTACTGTCTCGCCGCTTCCAGGCAGCATTCCAGAATGTGATCTCTT
CTTTCCACAAACAGTGGCACTCCCAGCATGACCCACAGTTGCCACCTGCCCAGCGGAACA
TCTTCCTGACAGAATGCCACTTTGTGGAGCTGACCGAAGATATAGGTCCCCAATTCCCAT
GTCAGTCATCCATGCACAACTCTCACCTCCCAACAGCCCTCTCTAGTGAACAGATGTCAA
GAACAAACTATCAAAGCTTCCACTTTAACAAAACCTGAATTCTTTCAGAGCTGACTCTCC
TCTATGCCTCAAAACTTCAGAGAGGAACATCCCATAATGTATGCCTTCTCATATGGTATT
AGNGAGGTAGGAATGGGGTCTTACAAACTCCATGGACCCCATTGGCTAGGNTTT
```

Quality:	High quality sequence stops at base: 264

Entry Created:	Feb 13 1996
Last Updated:	Feb 13 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name:	Soares_multiple_sclerosis_2NbHMSP
Organism:	Homo sapiens
Sex:	male
Tissue type:	multiple sclerosis lesions
Develop. stage:	Age 46
Lab host:	DH10B (ampicillin resistant)
Vector:	pT7T3D (Pharmacia) with a modified polylinker V_TYPE: phagemid
R. Site 1:	Not I
R. Site 2:	Eco RI
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker

(NINDS/NIH) .

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                   Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                   , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                   Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                   Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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☐1: W61169. zd31a03.r1 Soares...[gi:1367946]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	569198
EST name:	zd31a03.r1
GenBank Acc:	W61169
GenBank gi:	1367946
GDB Id:	1267595

CLONE INFO

Clone Id:	IMAGE:342220 (5')
Source:	IMAGE Consortium, LLNL
Insert length:	621
DNA type:	cDNA

PRIMERS

Sequencing:	mob.REGA+ET
PolyA Tail:	Unknown

SEQUENCE

```
ACNGATATTAGAGAGGTAGAATGGCTCTTACAACTCATGTACCCATTGCTAGTTTTTTTT
TTTTTAATAAACGTGAAAACTGAGAGTTAGATCTGGTTTCAAAACCCAAGACTGCCTGAT
TTTTAGTTATCTTTCCACTATCCTAACTGCCTCATGCCCCTTCACTAGTTCATGCCAAGA
ACGTGACTGGAAAGGCATGGCACCTATACCTTGATTAATTTCCATTAATGGAAATGGTTC
GTCCTGAGTCATCTACGTTCCGAGTCAGGCTGTCACTCCTACTACCAATGGCCACTGTGA
GCCACAGAAGGAAGACATGTACGTGCTGTTCTACTTTATATGATGTGAGAAGCCAACATC
AGTGTCCCTTGGCAGCAGTCTACAGGCATAACTTGTTTTATTGTGCTGAATTTTATTGTG
CTTCTCAAATATTGCACTTTT
```

Quality:	High quality sequence stops at base: 391

Entry Created:	May 22 1996
Last Updated:	Oct 15 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name:	Soares_fetal_heart_NbHH19W
Organism:	Homo sapiens
Sex:	unknown
Organ:	heart
Develop. stage:	19 weeks
Lab host:	DH10B (ampicillin resistant)
Vector:	pT7T3D (Pharmacia) with a modified polylinker
R. Site 1:	Not I
R. Site 2:	Eco RI
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal

lung library, Soares fetal lung NbHL19W.

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
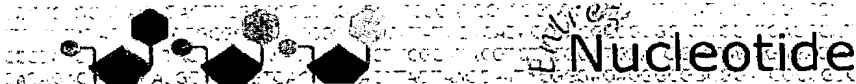E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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PubMed   Nucleotide   Protein   Genome   Structure   PopSet   Taxonomy   OMIM   Bo

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1: G20615. human STS A005Z09...[gi:1340952]   Taxonomy, UniSTS, LinkOut

```
LOCUS          G20615                   214 bp    DNA      linear    STS 24-JUL-1996
DEFINITION     human STS A005Z09, sequence tagged site.
ACCESSION      G20615
VERSION        G20615.1  GI:1340952
KEYWORDS       STS; STS sequence; primer; sequence tagged site.
SOURCE         human.
  ORGANISM     Homo sapiens
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1  (bases 1 to 214)
  AUTHORS      Adams,M.D.
  JOURNAL      Unpublished (1996)
COMMENT
               Contact: Mark Adams
               The Institute for Genomic Research
               9712 Medical Center Dr., Rockville, MD 20850
               Email: mdadams@tigr.org

               Primer A: ATTATGACAATTGATACAGAGAC
               Primer B: CTACTTTATATGATGTGAGAAGC
               STS size: 214
               PCR Profile:
                       Denaturation:  96C 5min
                       Anneal:        54C 30sec
                       Extend:        72C 30sec
                       Denature:      95C 30sec
                       FinalExtend:   72C  5min
                       Cycles:          30
               Protocol:
                       GenomicDNA:     25 ng
                       Primer:         0.43 uM each
                       dNTPs:         230 uM each
                       AmpliTaq:       0.5 units
                       TaqStart Ab:    0.5 units
                       Total Volume: 10 ul

               Buffer:
                       Tris-HCl pH8.8: 100  mM
                       KCl:            500  mM
                       MgCl2:           20  mM
                       Triton X-100:     1%
                       Concentration:   10X

               Prepared with primer pairs derived from THC114583: GenBank
               Accession Numbers- R40869, R37725, H11333, F01358, Z38158, L66830.
FEATURES             Location/Qualifiers
     source          1..214
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
     STS             1..214
     primer_bind     1..23
     primer_bind     complement(192..214)
BASE COUNT        78 a      39 c      41 g      56 t
ORIGIN
        1 attatgacaa ttgatacaga gacatgaagt gagcacatgc ctttgggaag aaagatgcca
```

```
  61 gcagatttgc tcaacagcat tgccacaaac tttcaatttt tttaaaagtg caatatttga
 121 gaagcacaat aaaattcagc acaataaaac aagttatgcc tgtagactgc tgccaaggga
 181 cactgatgtt ggcttctcac atcatataaa gtag
//
```

Revised: October 24, 2001.

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1: AI432384. tg73a04.x1 Soares...[gi:4281265]   Taxonomy, UniSTS, LinkOut

IDENTIFIERS

dbEST Id:	2247058
EST name:	tg73a04.x1
GenBank Acc:	AI432384
GenBank gi:	4281265

CLONE INFO

Clone Id:	IMAGE:2114382 (3')
Source:	NCI
Insert length:	643
DNA type:	cDNA

PRIMERS

Sequencing:	-40UP from Gibco
PolyA Tail:	Unknown

SEQUENCE

```
AATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGCA
CATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCCACAAACTTTCA
ATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAATAAAACAAGTT
ATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCATATAAAGTAGA
ACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGGCCATTGGTAGTAGGAGTGACA
GCCTGACTCGGAACGTAGATGACTCAGGACGAACCATTTCCATTAATGGAAATTAATCAA
GGTATAGGTGCCATGCCTTTCCAGTCACGTTCTTGGCATGAACTAGTGAAGGGGCATGAG
GCAGTTAGGATAGTGGAAAGATAACTAAAAATCAGGCAGTCTTGGGTTTTGAAACCAGAT
CTAACTCTCA
```

Quality:	High quality sequence stops at base: 469

Entry Created:	Feb 12 1999
Last Updated:	Mar 30 1999

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

PUTATIVE ID   Assigned by submitter
contains MER37 repetitive element ;

LIBRARY

Lib Name:	Soares_NhHMPu_S1
Organism:	Homo sapiens
Organ:	mixed (see below)
Tissue type:	Pooled human melanocyte, fetal heart, and pregnant uterus
Lab host:	DH10B
Vector:	pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1:	Not I
R. Site 2:	Eco RI
Description:	Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the

same 3 libraries. The pools consisted of I.M.A.G.E. clones
260232-265223, 340488-345479, and 484488-489479.

SUBMITTER
Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

CITATIONS
Title: National Cancer Institute, Cancer Genome Anatomy Project
                 (CGAP), Tumor Gene Index
Authors: NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
Year: 1997
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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Nucleotide

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1: W61131. zd31a03.s1 Soares...[gi:1367888]   Taxonomy, UniSTS, LinkOut

IDENTIFIERS

dbEST Id:	569140
EST name:	zd31a03.s1
GenBank Acc:	W61131
GenBank gi:	1367888
GDB Id:	1267595

CLONE INFO

Clone Id:	IMAGE:342220 (3')
Source:	IMAGE Consortium, LLNL
Insert length:	621
DNA type:	cDNA

PRIMERS

Sequencing:	mob.REGA+ET
PolyA Tail:	Unknown

SEQUENCE

```
TAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGC
ACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCCACAAACTTTC
AATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAATAAAACAAGT
TATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCATATAAAGTAG
AACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGCCATTGGTAGTAGGAGTGACA
GCCTGACTCCGGAACGTAGATGACTCAGGACGAACCATTTCCCATTAATGGGAAATTAAT
CAAGGGTATAGGTGGCCATGCCTTTCCAGTCACGGTCCTTGGCATGNACCTAGTGGAAAG
GGGGCATGAAGGCNGTTTNGGATAT
```

Quality:	High quality sequence stops at base: 300
Entry Created:	May 22 1996
Last Updated:	Oct 15 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name:	Soares_fetal_heart_NbHH19W
Organism:	Homo sapiens
Sex:	unknown
Organ:	heart
Develop. stage:	19 weeks
Lab host:	DH10B (ampicillin resistant)
Vector:	pT7T3D (Pharmacia) with a modified polylinker
R. Site 1:	Not I
R. Site 2:	Eco RI
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal

lung library, Soares fetal lung NbHL19W.

SUBMITTER
Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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Display default | Save | Text | Add to Clipboard

☐ 1: AI023570. ov71d04.s1 Soares...[gi:3238614]   Taxonomy, UniSTS, LinkOut

IDENTIFIERS

dbEST Id: 1762207
EST name: ov71d04.s1
GenBank Acc: AI023570
GenBank gi: 3238614

CLONE INFO
Clone Id: IMAGE:1642759 (3')
Source: NCI
DNA type: cDNA

PRIMERS
Sequencing: -40m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TTTGCACATATAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACA
TGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCC
ACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAA
TAAAACAAGTTATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCA
TATAAAGTAGAACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGCCATTGGTAGT
AGGAGTGACA

Quality: High quality sequence stops at base: 144

Entry Created: Jun 18 1998
Last Updated: Jun 18 1998

COMMENTS

cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

PUTATIVE ID   Assigned by submitter
contains MER37.b1 MER37 repetitive element ;

LIBRARY
Lib Name: Soares_testis_NHT
Organism: Homo sapiens
Sex: male
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1:   Not I
R. Site 2:   Eco RI
Description: 1st strand cDNA was prepared from mRNA obtained from
Clontech Laboratories, Inc., and primed with a Not I -
oligo(dT) primer [5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCCCAATTTTTTTTTTTTTTTT 3'].
Double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I

and Eco RI sites of the modified pT7T3 vector. Library went
through one round of normalization to Cot5, and was
constructed by Bento Soares and M. Fatima Bonaldo.

SUBMITTER
Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

CITATIONS
Title: National Cancer Institute, Cancer Genome Anatomy Project
               (CGAP), Tumor Gene Index
Authors: NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
Year: 1997
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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1: F01358. HSC01E022 normali...[gi:644915]   PubMed, Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	98195
EST name:	HSC01E022
GenBank Acc:	F01358
GenBank gi:	644915

CLONE INFO

Clone Id:	c-01e02 (3')
DNA type:	cDNA

PRIMERS

Sequencing:	(-21)M13_universal
PolyA Tail:	Unknown

SEQUENCE

```
CACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATNATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCA
TTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGNGANGCACNNTAAAATTCAG
CACAATAAAACNAGTTATGCCTGTNGNCTG
```

Entry Created:	Feb 1 1995
Last Updated:	Feb 1 1995

COMMENTS

Single read. removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
alc-01e02

LIBRARY

Lib Name:	normalized infant brain cDNA
Organism:	Homo sapiens
Sex:	Female
Organ:	brain
Tissue type:	total brain
Develop. stage:	3 months old
Vector:	lafmid BA
R. Site 1:	HindIII
R. Site 2:	NotI
Description:	sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press

SUBMITTER

Name:	Genethon
Lab:	Genexpress-Genethon
Institution:	Genethon Centre de recherche sur le Genome Humain
Address:	1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel:	33169472800
Fax:	33160778698
E-mail:	genexpress@genethon.fr

CITATIONS

Medline UID:	95277534
Title:	IMAGE: molecular integration of the analysis of the human genome and its expression
Authors:	Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation:	C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

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Revised: October 24, 2001.

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1: F03770. HSC29B122 normali...[gi:670376]　　　　PubMed, Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	119797
EST name:	HSC29B122
GenBank Acc:	F03770
GenBank gi:	670376

CLONE INFO
| Clone Id: | c-29b12 (3') |
| DNA type: | cDNA |

PRIMERS
| Sequencing: | (-21)M13_universal |
| PolyA Tail: | Unknown |

SEQUENCE

```
CACCATAAGCACATATAATANTANTCAAGTTTATTNCGAAAATNATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGNTGCCAGCAGATTTCCTCAACAGCN
TTGCCACAAACTTNCAATTTTTTTAAAAGTGCANTATTTGAGAAGCACAATAAAATTCAG
CACATTAAAACAAGTTATGCCTNTAGACTGCTGCCAA
```

| Entry Created: | Feb 19 1995 |
| Last Updated: | Feb 19 1995 |

COMMENTS

Single read. removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
a1c-29b12

LIBRARY
Lib Name:	normalized infant brain cDNA
Organism:	Homo sapiens
Sex:	Female
Organ:	brain
Tissue type:	total brain
Develop. stage:	3 months old
Vector:	lafmid BA
R. Site 1:	HindIII
R. Site 2:	NotI
Description:	sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press

SUBMITTER
Name:	Genethon
Lab:	Genexpress-Genethon
Institution:	Genethon Centre de recherche sur le Genome Humain
Address:	1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel:	33169472800
Fax:	33160778698
E-mail:	genexpress@genethon.fr

CITATIONS

Medline UID:	95277534
Title:	IMAGE: molecular integration of the analysis of the human genome and its expression
Authors:	Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation:	C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

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☐ 1: Z38158. HSC01E032 normali...[gi:560166]   PubMed, Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	63237
EST name:	HSC01E032
GenBank Acc:	Z38158
GenBank gi:	560166

CLONE INFO

Clone Id:	c-01e03 (3')
DNA type:	cDNA

PRIMERS

Sequencing:	(-21)M13_universal
PolyA Tail:	Unknown

SEQUENCE

```
CACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCA
TTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAG
CACAATAAAACAAGTTATGCCTGTNGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCA
CATCATATAA
```

Entry Created:	Oct 27 1994
Last Updated:	Oct 27 1994

COMMENTS

Single read. 26 T removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
a1c-01e03

LIBRARY

Lib Name:	normalized infant brain cDNA
Organism:	Homo sapiens
Sex:	Female
Organ:	brain
Tissue type:	total brain
Develop. stage:	3 months old
Vector:	lafmid BA
R. Site 1:	HindIII
R. Site 2:	NotI
Description:	sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press

SUBMITTER

Name:	Genethon
Lab:	Genexpress-Genethon
Institution:	Genethon Centre de recherche sur le Genome Humain
Address:	1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel:	33169472800
Fax:	33160778698
E-mail:	genexpress@genethon.fr

CITATIONS

Medline UID: 95277534

Title: IMAGE: molecular integration of the analysis of the human genome and its expression

Authors: Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.

Citation: C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

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[Display] [default ▼] [Save] [Text] [Add to Clipboard]

◻1: G05725. human STS WI-6161...[gi:858970]   Taxonomy, UniSTS, LinkOut

```
LOCUS       G05725                      250 bp    DNA    linear    STS 19-OCT-1995
DEFINITION  human STS WI-6161, sequence tagged site.
ACCESSION   G05725
VERSION     G05725.1  GI:858970
KEYWORDS    STS; STS sequence; primer; sequence tagged site.
SOURCE      human STSs derived from sequences in dbEST and the Unigene
            collection.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 250)
  AUTHORS   Hudson,T.
  TITLE     Whitehead Institute/MIT Center for Genome Research; Physically
            Mapped ESTs
  JOURNAL   Unpublished (1995)
COMMENT

            Contact: Thomas Hudson
            Whitehead Institute/MIT Center for Genome Research
            Whitehead Institute for Biomedical Research
            9 Cambridge Center, Cambridge MA 02142 USA
            Tel: 617 252 1900
            Fax: 617 252 1902
            Email: thudson@genome.wi.mit.edu

            Primer A: ATCAAGTTTATTGCGAAAATTATGA
            Primer B: TATATGATGTGAGAAGCCAACATC
            STS size: 226
            PCR Profile:
                 Presoak:
                 Denaturation:
                 Annealing: 56 degrees C
                 Polymerization:
                 PCR Cycles: 35
                 Thermal Cycler:
            Protocol:
                 Template: 10 ng
                 Primer: each 5 pM
                 dNTPs: each 4 nM
                 Taq Polymerase: 0.025 units/ul
                 Total Vol: 20 ul

            Buffer:
                 MgCl2: 1.5 mM
                 KCl: 50 mM
                 Tris-HCL: 10 mM
                 pH: 9.3

            Prepared with primer pairs derived from Z38158 -- dbEST.
FEATURES             Location/Qualifiers
     source          1..250
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
                     /map="885_C_3; 939_D_7; 782_B_10; 850_C_10; 515.5 cR from
                     top of Chr5 linkage group"
     STS             24..249
```

```
     primer bind        24..48
     primer bind        complement(226..249)
BASE COUNT        94 a       46 c       43 g       66 t        1 others
ORIGIN
        1 caccataagc acatataata ataatcaagt ttattgcgaa aattatgaca attgatacag
       61 agacatgaag tgagcacatg cctttgggaa gaaagatgcc agcagatttg ctcaacagca
      121 ttgccacaaa ctttcaattt ttttaaaagt gcaatatttg agaagcacaa taaaattcag
      181 cacaataaaa caagttatgc ctgtngactg ctgccaaggg acactgatgt tggcttctca
      241 catcatataa
//
```

Revised: October 24, 2001.

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PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Bo

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Display   default ▼ | Save | Text   Add to Clipboard

☐ 1: R40869. yf76c04.s1 Soares...[gi:823075]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	230091
EST name:	yf76c04.s1
GenBank Acc:	R40869
GenBank gi:	823075
GDB Id:	400802

CLONE INFO

Clone Id:	IMAGE:28455 (3')
Insert length:	1581
DNA type:	cDNA

PRIMERS

Sequencing:	Promega -21m13
PolyA Tail:	Unknown

SEQUENCE

```
TTTTTTTTTTTTTTTTTCACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATT
ATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCA
GATTTGCTCAACAGCATTGCCACAAACTTTCANTTTTTTTAAAAGTGCAATATTTGAGAA
GCACAATAAANTTCAGACACAATAAAACAAGTTATGCCTGTAGGACTGNCTGCCAAGGGN
ACACTGATGTTGGGCTTCTCACATCATATAANGTAGGAACAGGCACGGTACATGTCTTCC
TTCTGTGGGCTCACAGTGGGCCATTGGG
```

Quality:	High quality sequence stops at base: 291
Entry Created:	May 5 1995
Last Updated:	May 22 1995

COMMENTS

Insert Size: 1581
High quality sequence stops: 291 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year: 1995
Status: Unpublished

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Revised: October 24, 2001.

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1: R37725. yf62a02.s1 Soares...[gi:795181]   Taxonomy, LinkOut

IDENTIFIERS

dbEST Id:	207787
EST name:	yf62a02.s1
GenBank Acc:	R37725
GenBank gi:	795181
GDB Id:	398934

CLONE INFO

Clone Id:	IMAGE:26587 (3')
Insert length:	1558
DNA type:	cDNA

PRIMERS

Sequencing:	-21m13
PolyA Tail:	Unknown

SEQUENCE

```
TTTTTTTTTTTTTTTTTTCACCATAAGCACATATAATAATAATCAAGTTTATTGCAGAAAA
TTATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAG
CAGATTTGCTCAACAGCATTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAG
AAGCACAATAAANTTCAGCACANTAAAACAAGTTATGCCTGTAGACTGCTGCCAAGGGAC
ACTGATGTTGGCTTCTCACATCATNTAAAGTAGGACAGCACGTACATGTCTTCCCTTCTG
TGGGCTCACAGTGGGCCATTGGGNAGGTAGGGGGTTNACAGCCCTGACTCGGGNCCGTAG
GGATGGCTTCAGGGGCGGGCCCTT
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Quality: High quality sequence stops at base: 249

Entry Created:	May 4 1995
Last Updated:	May 4 1995

COMMENTS

Insert Size: 1558
High quality sequence stops: 249 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER
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Institution: Washington University School of Medicine
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Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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☐1: H11333. ym13d03.s1 Soares...[gi:876153]   ProbeSet, Taxonomy, UniSTS, LinkOut

IDENTIFIERS

dbEST Id:	271247
EST name:	ym13d03.s1
GenBank Acc:	H11333
GenBank gi:	876153
GDB Id:	420382

CLONE INFO

Clone Id:	IMAGE:47841 (3')
Insert length:	1555
DNA type:	cDNA

PRIMERS

Sequencing:	Promega -21m13
PolyA Tail:	Unknown

SEQUENCE

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TATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGC
AGATTTGCTCAACAGCATTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGA
AGCACAATAAAATTCAGCACAATAAAACAAGTTATGCCTNTAGACTGCTGCCAAGGGACA
CTGATGTTGGNCTTCTCACATCATATAAAGTAGAACAGCACGTACATGTCTTCCTTCTGT
GGCTCACAGTGGCCATTGGTAGTAGGAGTGACAGCCTGACTCGGAACGTAGATGACTCAG
GACGAACCATTTCCATTAATGGGAANTTAATCAAGGTNTAGGTGCCATGCCTTTCCAGTC
ACGTTCTTGGCATGAACTAGTGAAGGGGCATGAGGCAGTTAGGNTAGTGGGAAGGTAACT
NAAAATCAGGCAGTCTTGGGTTTTGAAACCAGATCTACTCTCAGTTTTACGTTTTTTAAA
AAAAANAAC
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Quality:	High quality sequence stops at base: 317
Entry Created:	Jun 26 1995
Last Updated:	Jun 26 1995

COMMENTS

Insert Size: 1555
High quality sequence stops: 317
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name:	Soares infant brain 1NIB
Organism:	Homo sapiens
Sex:	female
Organ:	whole brain
Develop. stage:	73 days post natal
Lab host:	DH10B (ampicillin resistant)
Vector:	Lafmid BA
R. Site 1:	Not I
R. Site 2:	Hind III
Description:	1st strand cDNA was primed with a Not I - oligo(dT) primer
	[5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3'];
	double-stranded cDNA was ligated to Hind III adaptors
	(Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

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Tel: 314 286 1800
Fax: 314 286 1810
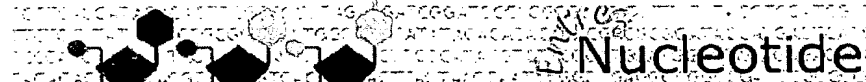E-mail: est@watson.wustl.edu

CITATIONS
Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
               Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
               , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
               Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
               Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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☐ 1: AQ078563. CIT-HSP-2363D17.T...[gi:3439747]   Taxonomy

IDENTIFIERS

dbGSS Id:	178735
GSS name:	CIT-HSP-2363D17.TF
GenBank Acc:	AQ078563
GenBank gi:	3439747

CLONE INFO

Clone Id:	2363D17
Other GSSs on clone:	CIT-HSP-2363D17.TR
DNA type:	Genomic

PRIMERS

| Sequencing: | M13-21 |

SEQUENCE

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AATTCGAGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGCTTAATC
CTTTCTAGCTTTTGATTTAAAGTGAGAGACTTGCCGCTCTTCCTTTCACTTACACTTAGA
GGCCATTGCAGGGTTCTTAATTGGCCTAATTTTAATATTGTTTTGTCTCAGGGAATAGGT
AGGCCCATGGAGAGGGACCAAGATGGGGAATGGCTGGTGGGTGGAACAGTCAGAACATCA
CATTATTTATTAAGCTCTCCATCTTCTATGGAAGCAGTTCATAGGTTTCCCAAAATAATT
ACAATAGTAATATCAAAGATCACTGACCACAGATCACCATATGCACATATAATAATAATA
AGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGG
GAAGAAAGATGCCAGCATGATTGCTCAACAGTA
```

| Entry Created: | Aug 19 1998 |
| Last Updated: | Aug 20 1998 |

COMMENTS

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

LIBRARY

CLASS:	BAC ends
Lib Name:	CIT-HSP
Organism:	Homo sapiens
Sex:	Male
Cell type:	Sperm
Vector:	pBeloBAC11
R. Site 1:	HindIII
R. Site 2:	HindIII

SUBMITTER

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E-mail:	mdadams@tigr.org

CITATIONS

| Title: | Use of a random human BAC End Sequence Database for |

```
                        Sequence-Ready Map Building
Authors:                Adams,M.D., Rounsley,S.D., Zhao,S., Bass,S., Linher,K.,
                        Golden,K., Berry,K., Granger,D., Suh,E., Wible,C., Shizuya
                        ,H., Simon,M., Venter,J.C.
Year:                   1998
Status:                 Unpublished
```

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Revised: October 24, 2001.

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